



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>6</sup> :</b> <b>C12N 15/12, C07K 14/47, C12N 15/10, 15/66, C12Q 1/68, G01N 33/50, C07K 16/18, G01N 33/53, A61K 48/00, 38/17</b>	<b>A2</b>	<b>(11) International Publication Number:</b> <b>WO 99/06549</b>  <b>(43) International Publication Date:</b> 11 February 1999 (11.02.99)
<b>(21) International Application Number:</b> PCT/IB98/01231  <b>(22) International Filing Date:</b> 31 July 1998 (31.07.98)  <b>(30) Priority Data:</b> 08/905,279      1 August 1997 (01.08.97)      US  <b>(71) Applicant (for all designated States except US):</b> GENSET [FR/FR]; 24, rue Royale, F-75008 Paris (FR).  <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> DUMAS MILNE EDWARDS, Jean-Baptiste [FR/FR]; 8, rue Grégoire de Tours, F-75006 Paris (FR). DUCLERT, Aymeric [FR/FR]; 6 ter, rue Victorine, F-94100 Saint-Maur (FR). LACROIX, Bruno [FR/FR]; 93, route de Vourles, F-69230 Saint-Genis Laval (FR).  <b>(74) Agents:</b> MARTIN, Jean-Jacques et al.; Cabinet Regimbeau, 26, avenue Kléber, F-75116 Paris (FR).		<b>(81) Designated States:</b> AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>Without international search report and to be republished upon receipt of that report.</i>
<b>(54) Title:</b> 5' ESTs FOR SECRETED PROTEINS EXPRESSED IN TESTIS AND OTHER TISSUES  <b>(57) Abstract</b>  <p>The sequences of 5' ESTs derived from mRNAs encoding secreted proteins are disclosed. The 5' ESTs may be to obtain cDNAs and genomic DNAs corresponding to the 5' ESTs. The 5' ESTs may also be used in diagnostic, forensic, gene therapy, and chromosome mapping procedures. Upstream regulatory sequences may also be obtained using the 5' ESTs. The 5' ESTs may also be used to design expression vectors and secretion vectors.</p>		

id A3040149  
est

(ix) FEATURE:

- [illegible]

(ix) FEATURE:

- [illegible]

(ix) FEATURE:

- (A) NAME/KEY: sig\_peptide  
(B) LOCATION: 57..329  
(C) IDENTIFICATION METHOD: Von Heijne matrix  
(D) OTHER INFORMATION: score 4.8  
seq IILRLPWLNRSQT/VV

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 242:

ACGCTTCGTC	CTCTGCAGTC	AAGACGCTGG	GCGCGTCGAG	GACTGGGATT	TCAAAT	ATG Met	59									
CGT	GCA	TTA	GAG	AAT	GAT	TTT	TTC	AAT	TCT	CCC	CCA	AGA	AAA	ACT	GTT	107
Arg	Ala	Leu	Glu	Asn	Asp	Phe	Phe	Asn	Ser	Pro	Pro	Arg	Lys	Thr	Val	-90
-90					-85					-80					-75	
CGG	TTT	GGT	GGA	ACT	GTG	ACA	GAA	GTC	TTG	CTG	AAG	TAC	AAA	AAG	GGT	155
Arg	Phe	Gly	Gly	Thr	Val	Thr	Glu	Val	Leu	Leu	Lys	Tyr	Lys	Lys	Gly	
				-70					-65					-60		
GAA	ACA	AAT	GAC	TTT	GAG	TTG	TTG	AAG	AAC	CAG	CTG	TTA	GAT	CCA	GAC	203
Glu	Thr	Asn	Asp	Phe	Glu	Leu	Leu	Lys	Asn	Gln	Leu	Leu	Asp	Pro	Asp	
			-55					-50					-45			
ATA	AAG	GAT	GAC	CAG	ATC	ATC	AAC	TGG	CTG	CTA	GAA	TTC	CGT	TCT	TCT	251
Ile	Lys	Asp	Asp	Gln	Ile	Ile	Asn	Trp	Leu	Leu	Glu	Phe	Arg	Ser	Ser	
		-40					-35					-30				
GTC	ATG	TAC	TTG	ACA	AAA	GAC	TTT	GAG	CAA	CTT	ATC	AGT	ATT	ATA	TTG	299
Val	Met	Tyr	Leu	Thr	Lys	Asp	Phe	Glu	Gln	Leu	Ile	Ser	Ile	Ile	Leu	
	-25					-20					-15					
AGA	TTG	CCT	TGG	TTG	AAT	AGA	AGT	CAA	ACA	GTA	GTG	GAA	GAG	TAT	TTG	347
Arg	Leu	Pro	Trp	Leu	Asn	Arg	Ser	Gln	Thr	Val	Val	Glu	Glu	Tyr	Leu	
-10					-5					1				5		
GCT	TTT	CTT	GCT	AAT	CTT	GTA	TCA	GCA	GAG	ACT	GTT	TTC	CTC	AGA	CCG	395
Ala	Phe	Leu	Gly	Asn	Leu	Val	Ser	Ala	Glu	Thr	Val	Phe	Leu	Arg	Pro	
			10					15					20			

TGT CTC AGC ATG ATT GCT TCC CAT TTT GWG CCT CCC GAG CTG  
Cys Leu Ser Met Ile Ala Ser His Phe Xaa Pro Pro Glu Leu  
25 30 35

437

## (2) INFORMATION FOR SEQ ID NO: 243:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 244 base pairs
- (B) TYPE: NUCLEIC ACID
- (C) STRANDEDNESS: DOUBLE
- (D) TOPOLOGY: LINEAR

## (ii) MOLECULE TYPE: CDNA

## (vi) ORIGINAL SOURCE:

- (A) ORGANISM: Homo Sapiens
- (F) TISSUE TYPE: Spleen

## (ix) FEATURE:

- (A) NAME/KEY: other
- (B) LOCATION: 54..242
- (C) IDENTIFICATION METHOD: blastn
- (D) OTHER INFORMATION: identity 97  
region 12..200  
id R19497  
est

## (ix) FEATURE:

- (A) NAME/KEY: other
- (B) LOCATION: 78..242
- (C) IDENTIFICATION METHOD: blastn
- (D) OTHER INFORMATION: identity 98  
region 1..165  
id H75597  
est

## (ix) FEATURE:

- (A) NAME/KEY: other
- (B) LOCATION: 84..242
- (C) IDENTIFICATION METHOD: blastn
- (D) OTHER INFORMATION: identity 98  
region 1..159  
id H93398  
est

## (ix) FEATURE:

- (A) NAME/KEY: other
- (B) LOCATION: 122..243
- (C) IDENTIFICATION METHOD: blastn
- (D) OTHER INFORMATION: identity 100  
region 1..122  
id HUM030E11B  
est

## (ix) FEATURE:

- (A) NAME/KEY: sig\_peptide
- (B) LOCATION: 74..166
- (C) IDENTIFICATION METHOD: Von Heijne matrix